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ABSTRACT OF THE DISCLOSURE

5 Methods and apparatus are described for reading data from
either a magnetic stripe, a chip or both a magnetic stripe and
a chip located on a data card using a single swiping motion.
An aspect of the methods and apparatus described is that
movement of a data card is detected, restrained and/or
prevented during exchange of information between the reader
10 and any integrated circuits located on the data card. One
embodiment includes guiding walls that form a channel and that
are connected to a receiver having an interior surface, a
magnetic reading head mounted on one of the guiding walls,
electrical contacts located on the interior surface of the
15 receiver and a latch extending at least partially across the
channel formed by the guiding walls.

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